

Ministry of Education and Science of Ukraine
Cherkasy State Technological University (Ukraine)
Educational and Scientific Complex "Institute for Applied System Analysis" of the National
Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" (Ukraine)
Institute of Information Technologies and Systems of the NAS of Ukraine
Institute for Digitalisation of Education of the NAES of Ukraine
National University "Kyiv Aviation Institute"
Kharkiv National University of Radio Electronics (Ukraine)
V. N. Karazin Kharkiv National University
Odesa Polytechnic National University
Dragomanov Ukrainian State University (Ukraine)
Bogdan Khmelnytsky Melitopol State Pedagogical University (Ukraine)
Drohobych Ivan Franko State Pedagogical University (Ukraine)
Technische Universität Berlin (Germany)
Lublin University of Technology (Poland)
Norwegian University of Science and Technology (Norway)
Universidade Aberta (Portugal)
Tallinn University (Estonia)
Anadolu University (Türkiye)
Luigj Gurakuqi University of Shkodër (Albania)
International Information Technology University JSC (Kazakhstan)

PROGRAM
OF ONLINE REPORTS
on VIII International Scientific and Practical
Conference
"Information Technology
for Education, Science, and Technics"
ITEST-2026
May 24-25, 2026
Cherkasy
Ukraine

Міністерство освіти і науки України
Черкаський державний технологічний університет
Навчально-науковий комплекс «Інститут прикладного системного аналізу»
НТУУ «КПІ ім. Ігоря Сікорського»
Інститут інформаційних технологій і систем НАН України
Інститут цифровізації освіти НАПН України
Національний університет «Київський авіаційний інститут»
Харківський національний університет радіоелектроніки
Харківський національний університет імені В.Н. Каразіна
Національний університет «Одеська політехніка»
Український державний університет імені Михайла Драгоманова
Мелітопольський державний педагогічний університет імені Богдана Хмельницького
Дрогобицький державний педагогічний університет імені Івана Франка
Берлінський технічний університет (Німеччина)
Люблінська політехніка (Польща)
Норвезький університет науки і технологій (Норвегія)
Відкритий університет (Португалія)
Талліннський університет (Естонія)
Університет Анатолу (Туреччина)
Шкодерський університет імені Луїджі Гуракучі (Албанія)
Міжнародний університет інформаційних технологій (Казахстан)

ПРОГРАМА
ОНЛАЙН-ДОПОВІДЕЙ
на VIII Міжнародної науково-практичної
конференції
**«Інформаційні технології в освіті, науці і
техніці»**

ІТОНТ-2026

24-25 червня 2026 року

**м. Черкаси
Україна**

Meeting of the conference**Засідання конференції**

Wednesday 06/24/2026

Середа 24.06.2026

Plenary session

Пленарне засідання

10.00-13.00 (ChSTU / ЧДТУ, building / корпус 1, Noosphere / Ноосфера)**Link to the online broadcast / Посилання на онлайн трансляцію:****<https://teams.microsoft.com/meet/37485143099280?p=HJhe3WK8ZZnUca7IgU>**

10.00-10.10	Opening of Conference. Greetings from ChSTU Rector, Oleg Gryhor Відкриття конференції. Привітання ректора ЧДТУ Олега Григора
10.10-10.20	Greetings from the vice-rector for research and international relations ChSTU, Emil Faure Привітання проректора з НДР і МЗ ЧДТУ Еміля Фауре
10.20-10.40	Petrovych S., Kosovets O., Soia O., Kovtoniuk M. RESEARCH TRENDS AT THE INTERSECTION OF AI AND SUSTAINABLE EDUCATION
10.40-11.00	Burdaiev V. ABOUT THE FEATURES OF DEVELOPING A DISTRIBUTED INTELLIGENT SYSTEM FOR CREATING A STACK OF WEB APPLICATIONS ON A CLOUD PLATFORM
11.00-11.20	Mostovyi O. SYMBOLIC DIGITAL TWIN FOR INTRUSION DETECTION IN SATELLITE COMMUNICATION SYSTEMS
11.20-11.40	Teslia Yu., Khlevna Iu., Kataieva Ye., Klievanna G., Latysheva T., Chastokolenko I. THE SCIENTIFIC BASIS AND PRACTICAL IMPLEMENTATION OF REFLECTIVE FORECASTING SYSTEMS
11.40-12.00	Halchenko V., Storchak A., Trembovetska R., Tychkov V. HYBRID LUT-SURROGATE INFORMATION TECHNOLOGY FOR REAL-TIME RECONSTRUCTION OF OBJECT INVERSE PARAMETERS BASED ON INDIRECT MEASUREMENTS
12.00-12.20	Fedorov E., Karapetyan A., Smoliar A., Miroshkina I., Al-Shaikh Y.J. DEEP LEARNING AND TRANSFORMER-BASED SEGMENTATION OF STRUCTURAL CRACKS IN BUILDING CONSTRUCTIONS
12.20-12.40	Bondar V., Babenko V., Lavdanskyi A., Korobeinyk Y., Semenov S. FLOW-MATCHING AUGMENTATION FOR RARE-CLASS ECG DIAGNOSIS ON PTB-XL
12.40-13.00	Julian Maj, Chernenko Y., Stroha A., Borysova N. ICuRM: A FRAMEWORK FOR RISK COORDINATION BETWEEN INTERDEPENDENT LIFE-SUPPORT SYSTEMS

*Discussion of reports / Обговорення доповідей**Organizing committee information / Інформація оргкомітету*

A. Theoretical and practical aspects for creating information technologies and systems/ Теоретичні та практичні аспекти розробки інформаційних технологій і систем

B. Information technologies in engineering and robotics / Інформаційні технології в інженерії та робототехніці

Wednesday 06/24/2026

Section meeting 1: A, B

Середа 24.06.2026

Секційне засідання 1: A, B

14.00-17.00 (ChSTU / ЧДТУ, building / корпус 1, 401)

Link to the online broadcast / Посилання на онлайн трансляцію:

<https://teams.microsoft.com/meet/337605555813050?p=MEdKy03xhISi5hHixg>

14.00-14.15	Dudnik A., Kvashuk D., Fesenko A., Savchenko A., Mykolaichuk V. ROBUST STABILITY ASSESSMENT OF UAV AIR SEGMENT USING MULTI-SENSOR DATA AND AUTOENCODER-BASED APPROACH
14.15-14.30	Hevlich T., Kuzmenko I., Starenkyi A. METHODOLOGY FOR AUTOMATED VERIFICATION OF LED INDICATOR SIGNALS
14.30-14.45	Suprunenko O., Badri Gechbaia, Onyshchenko B., Grebenovych J. IMPROVEMENT OF THE METHOD OF DETERMINING DYNAMIC PROPERTIES IN COMBINED APPROACH TO MODELING SOFTWARE SYSTEMS
14.45-15.00	Andriushko V., Klakovych L. SEMANTIC LANDMARKS FOR GPS-DENIED POSITIONING OF SMALL UAVs BASED ON OPEN-VOCABULARY DETECTION
15.00-15.15	Vozniak V., Barmak O. INFORMATION TECHNOLOGY FOR WEATHER-INVARIANT UAV VISUAL LOCALIZATION VIA A TOPOLOGY-PRESERVING WEATHER AUGMENTATION METHOD
15.15-15.30	Romanuke V.V. OPTIMIZING SAMPLING AND CONNECTION PARAMETERS OF PROBABILISTIC ROADMAP PATH PLANNER IN PATH LENGTH MINIMIZATION FOR ROBOTIC MANIPULATION WITHIN OBSTACLE-DENSE ENVIRONMENTS
15.30-15.45	Vasykivskyi O., Vasychenko V., Hubar Y., Kanashevych H., Khyzhniak I. CONCEPTUAL SCHEME OF THE QUALITY CONTROL SYSTEM FOR ELECTROCHEMICAL MARKING OF METAL PARTS
15.45-16.00	Ptashkin R.L., Palahin V.V. INFORMATION TECHNOLOGIES FOR RESEARCHING HETEROGENEOUS COMPUTING ENVIRONMENTS OF UAVS
16.00-16.15	Kargin A., Petrenko T., Piatykop O., Pronina O. COMPARATIVE ANALYSIS OF CONTROLLER MODELS USED AT LOW LEVELS OF AI-SUPPORTED AUTONOMOUS ROBOT SYSTEM
16.15-16.30	
16.30-16.45	
16.45-17.00	<i>Discussion of reports / Обговорення доповідей</i> <i>Organizing committee information / Інформація оргкомітету</i>

Thursday 06/25/2026
Section meeting 2: A, B

Четвер 25.06.2026
Секційне засідання 2: А, В

10.00-13.00 (ChSTU / ЧДТУ, building / корпус 1, 401)

Link to the online broadcast / Посилання на онлайн трансляцію:

<https://teams.microsoft.com/meet/353925009803968?p=43F3afgqc8xp1NuNzq>

10.15-10.30	Stankevych O., Halchenko V., Trembovetska R., Tychkov V. SOLVING INVERSE PROBLEMS USING GENERATIVE ADVERSARIAL NETWORKS
10.30-10.45	Kuzmenko I., Ostroumov I. INFORMATION TECHNOLOGY FOR PREDICTIVE MAINTENANCE BASED ON AUTOMATIC FLIGHT DATA RECORDER ANALYSIS
10.45-11.00	Koroviaka Ye., Dmytruk O., Akolzin I., Zaiets V. MODELING AND MITIGATION OF TORSIONAL STICK-SLIP OSCILLATIONS IN HORIZONTAL WELL DRILLING ACCOUNTING FOR NON-NEWTONIAN DRILLING FLUID PROPERTIES AND BHA CONFIGURATION
11.00-11.15	Ivanov D. MATHEMATICAL MODEL AND SOFTWARE FOR OPTIMIZING THE DISTRIBUTION OF GENERATION AMONG GAS PISTON UNITS WITHIN A SINGLE-SITE ENVIRONMENT
11.15-11.30	Zaliskyi M., Otrokh S., Taranenko A., Kondratenko S. DESIGNING A CLIENT-SERVER SYSTEM FOR GROUP TRIP PLANNING
11.30-11.45	Batur M., Shafapourtehrany M., Karaman H., Ergun B. SPATIAL IT-BASED DECISION SUPPORT FRAMEWORK FOR CRITICAL ROAD IDENTIFICATION UNDER NATURAL DISASTERS
11.45-12.00	Pundyk S., Horiashchenko S., Karmalita A., Mazur A., Neimak V. AUTOMATED DATA CONTROL AND PROCESSING SYSTEMS FOR ROBOTIC EQUIPMENT FOR FOOTWEAR MANUFACTURING
12.00-12.15	Pashchenko O. DIGITAL TWIN OF A ROCK-DESTROYING TOOL: MODELING STRESS DISTRIBUTION AND WEAR RESISTANCE USING FEM AND NEURAL NETWORKS
12.15-12.30	Dmytruk O., Rastsvietaiev V., Kaliuzhna T., Shypunov S. OPTIMIZING DRILLING PARAMETERS UNDER UNCERTAINTY: A COMPARATIVE STUDY OF METAHEURISTIC ALGORITHMS (PSO, GA) AND MACHINE LEARNING
12.30-12.45	Ostroumov I., Kuzmenko N. PRESSURE SENSOR DATA INTEGRATION FOR PRECISE NAVIGATION OF UNMANNED AERIAL VEHICLES
12.45-13.00	<i>Discussion of reports / Обговорення доповідей</i> <i>Organizing committee information / Інформація оргкомітету</i>

Thursday 06/25/2026
Section meeting 3: A, B

Четвер 25.06.2026
Секційне засідання 3: A, B

14.00-17.00 (ChSTU / ЧДТУ, building / корпус 1, 401)

Link to the online broadcast / Посилання на онлайн трансляцію:

<https://teams.microsoft.com/meet/353925009803968?p=43F3afgqc8xp1NuNzq>

14.00-14.15	Mogilei S., Murr P., Honcharov A. SOLVING FIRST-LEVEL INTERMODAL TRANSPORT PROBLEM OF NON-CONTAINER TYPE
14.15-14.30	Huliienko S.V., Barbash V.A., Halysh V.V., Trus I.M., Ivanenko O.I. SPECIALIZED SOFTWARE Q+ AS A TOOL FOR THE OPTIMIZATION OF WATER TREATMENT SYSTEM: A CASE STUDY
14.30-14.45	Kolodchak O. DESIGNING OPTIMIZED COMPUTER DEVICE CORES BASED ON LIBRARY ELEMENT SUBSTITUTION TECHNIQUE AND MODIFIED GENETIC ALGORITHM
14.45-15.00	Lukashenko V.M., Lukashenko V., Harder D., Sokolovskyi M., Siora O., Bernatskyi A. DEVELOPMENT OF AN AUTOMATED PROCESSING SYSTEM FOR LASER WELDING AND CLADDING OF COMPONENTS WITH COMPLEX PROFILES
15.00-15.15	Romaniuk O. O., Skybchyk V.V. PACS SYSTEMS IN UKRAINIAN HEALTHCARE INSTITUTIONS: TECHNICAL AND STRATEGIC IMPLEMENTATION CHALLENGES
15.15-15.30	Shulakov V., Oleksiuk V., Zaspа H., Sinkovskyi A. SCENARIO-DRIVEN RUNTIME SYSTEM AS A NEW PARADIGM FOR BUILDING ADAPTIVE INFORMATION SYSTEMS
15.30-15.45	
15.45-16.00	
16.00-16.15	
16.15-16.30	
16.30-17.00	<i>Discussion of reports / Обговорення доповідей</i> <i>Organizing committee information / Інформація оргкомітету</i>

C. Information technologies and Artificial Intelligent / Інформаційні технології та штучний інтелект

Wednesday 06/24/2026

Section meeting 1: C

Середа 24.06.2026

Секційне засідання 1: C

14.00-18.00 (ChSTU / ЧДТУ, building / корпус 1, Noosphere / Ноосфера)

Link to the online broadcast / Посилання на онлайн трансляцію:

<https://teams.microsoft.com/meet/385584790463489?p=i3q8tICIQM29rTEgXY>

14.00-14.15	Nykonenko A., Faure E. IMPROVING THE ROBUSTNESS OF AI-TEXT IDENTIFICATION SYSTEMS TO TRANSFORMATIONAL ATTACKS THROUGH MULTI-LEVEL FEATURE ANALYSIS
14.15-14.30	Dihtiarenko N., Krasnoshlyk N., Serdiuk O. DEVELOPMENT OF AN INTERACTIVE ENVIRONMENT FOR VISUALIZING THE MACHINE LEARNING PROBLEM-SOLVING PROCESS
14.30-14.45	Los V.Y., Rozlomii I.O. HYBRID NON-INTRUSIVE LOAD MONITORING ALGORITHM BASED ON GENETIC ALGORITHM AND GREEDY FILLING
14.45-15.00	Martyniuk M.Yu., Vakaliuk T.A. REINFORCEMENT LEARNING FOR ADAPTIVE AI OPPONENTS IN UAV SIMULATION
15.00-15.15	Klokov A, R., Dyachenko P. V. HYBRIDIZATION OF METRIC AND INTELLECTUAL DATA ANALYSIS FOR SOFTWARE DEFECT DETECTION
15.15-15.30	Shemet D., Umryk M. RETRIEVAL-AUGMENTED GENERATION: ARCHITECTURE, CLASSIFICATION, AND USE IN THE EDUCATIONAL PROCESS FOR TRAINING FUTURE PRE-SERVICE COMPUTER SCIENCE TEACHERS
15.30-15.45	Nazarkevych M., Nazarkevych A., Kuziv O., Nakonechnyi N., Stechkevych O., Yurynets R., Vozna O. DEVELOPMENT OF A MULTIMODAL DATA ANALYSIS AND VISUALIZATION SYSTEM FOR EMBEDDED SYSTEMS BASED ON ARTIFICIAL INTELLIGENCE
15.45-16.00	Kolisnichenko P., Hnatiuk D., Tsikanovskyi V. A MULTIMODAL CPU-EFFICIENT ARCHITECTURE FOR ANOMALY DETECTION IN LOGS OF DISTRIBUTED SYSTEMS
16.00-16.15	Havdulskyi R., Zhuravchak L. DETECTION AND CLASSIFICATION OF SUBSURFACE DEFECTS IN 3D OBJECTS USING INBEM, YOLO 12N, AND ONTOLOGY-BASED VALIDATION
16.15-16.30	Marchenko I., Kryvenko O., Balalaieva O., Serhiienko A. A STUDY ON METHODS FOR INTEGRATING MACHINE LEARNING ALGORITHMS INTO REACT-BASED WEB APPLICATIONS FOR PERSONALISED RECOMMENDER SYSTEMS IN E-COMMERCE
16.30-16.45	Bodnenko D., Hlushak O., Lokaziuk O. Osadchyi V., Osadcha V. INTEGRATION OF MULTIMODAL AI AGENTS INTO STEM TEACHING

16.45-17.00	Derbentsev V., Bezkorovainyi V., Matviychuk A., Hostryk A., Danylchuk H. ARTIFICIAL INTELLIGENCE FOR FAKE NEWS DETECTION: BENCHMARKING MULTIMODAL VISION-LANGUAGE MODELS IN SOCIAL MEDIA
17.00-17.15	Dziuba V.A., Riabokon I.Y. WEB-ORIENTED ROUTE PLANNING SYSTEM CONSIDERING ROAD TRAFFIC BASED ON GRAPH ALGORITHMS AND NEURAL NETWORKS
17.15-17.30	Moroz Y., Dudnik A., Odribets N. BENCHMARKING A CHESS ENGINE ON LIMITED ENDGAMES
17.30-17.45	Zadorozhnyi D., Ovcharenko O.A. ARTIFICIAL INTELLIGENCE IN BRIDGE MONITORING AND MAINTENANCE: A REVIEW OF MODERN METHODS AND TOOLS

Discussion of reports / Обговорення доповідей

Organizing committee information / Інформація оргкомітету

Thursday 06/25/2026 Section meeting 2: C	Четвер 25.06.2026 Секційне засідання 2: C
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09.00-13.15 (ChSTU / ЧДТУ, building / корпус 1, Noosphere / Ноосфера)

Link to the online broadcast / Посилання на онлайн трансляцію:

<https://teams.microsoft.com/meet/379428411152345?p=e5gN7IbhgWK9luKIhp>

09.00-09.15	
09.15-09.30	Moskalenko V., Kirpichov Yu., Fonta N., Kosenko V. APPLYING MACHINE LEARNING TECHNIQUES TO ANALYZE E-COMMERCE SALES FOR ENHANCED MARKETING STRATEGY DEVELOPMENT
09.30-09.45	Lomakin A., Bondarenko T. ANALYSIS OF CURRENT VIRTUAL REALITY SYSTEMS FOR EXPOSURE THERAPY OF SPECIFIC PHOBIAS IN ADOLESCENT PSYCHOTHERAPY
09.45-10.00	Melnyk M.O., Bychkov O.S., Petrivskiy V.Y. EMPIRICAL TESTING OF THE HYPOTHESIS OF ASYMMETRY OF THE INFORMATIONAL VALUE OF YES/NO ANSWERS IN INTERACTIVE DIAGNOSTICS
10.00-10.15	Klokta D., Znakovska Y., Averyanova Y. PROBLEMS AND DISADVANTAGES OF USING YOLOV8 IN MODERN REAL-TIME OBJECT DETECTION SYSTEMS
10.15-10.30	Yurchuk I., Obertan D.-M., Semenchuk T. SYNTHETIC AERIAL IMAGE GENERATION FOR IMPROVING UAV DETECTION MODELS
10.30-10.45	Danchuk V., Linskyi O. FORECASTING CREDIT-RELATED CLIENT INDICATORS USING LSTM NEURAL NETWORKS
10.45-11.00	Tuzhykov A., Soloviev V., Kiv A. FORMATION ENERGIES OF POINT DEFECTS IN PYRENE AS A MINIMAL MODEL OF A GRAPHENE QUANTUM DOT

11.00-11.15	Badri Gechbaia, Budiukov Y., Lobach O., Romanenkov Y., Kharuta V. AI-AUGMENTED CONCEPTUAL MODEL OF COMPROMISE INTEREST BALANCING AMONG INSURANCE MARKET PARTIES
11.15-11.30	Bishyr S., Ivasenko I., Lapychak I. ARTIFICIAL INTELLIGENCE-BASED SOCCER BALL DETECTION: COMPARATIVE ANALYSIS OF ATTENTION MECHANISMS AND THEIR PLACEMENT
11.30-11.45	Tyskyi Kh. QUALITY ASSESSMENT OF VISUAL RECOMMENDATIONS: A THREE-LEVEL FRAMEWORK OF SIMILARITY, RELEVANCE, AND USER EXPERIENCE METRICS
11.45-12.00	Zhovtonizhko I., Deineha O. COMPARATIVE ANALYSIS OF HUMAN-AI INTERACTION IN PAIR PROGRAMMING: A STUDY OF CODELLAMA AND GPT-4
12.00-12.15	Koroviaka Ye., Ratov B., Pashchenko O., Voita M., Rybak A. ENHANCING PREDICTIVE MAINTENANCE IN DRILLING OPERATIONS: A HYBRID APPROACH COMBINING MACHINE LEARNING AND VIBRATION ANALYSIS
12.15-12.30	Holub S., Nemov R. FORMATION OF FEATURE DICTIONARY FOR SOURCE CODE AUTHORSHIP ATTRIBUTION
12.30-12.45	Andriievskiy D.O. A REVIEW OF ARCHITECTURAL OPTIMIZATION METHODS FOR MULTILINGUAL LARGE LANGUAGE MODELS: THE CHALLENGE OF SEMANTIC COHERENCE RETENTION
12.45-13.00	Kozurak D. CLASSIFICATION OF KYIV SIDEWALK CHARACTERISTICS FROM STREET VIEW PHOTOS USING DEEP LEARNING METHODS
<i>Discussion of reports / Обговорення доповідей</i> <i>Organizing committee information / Інформація оргкомітету</i>	

Thursday 06/25/2026 Section meeting 3: C	Четвер 25.06.2026 Секційне засідання 3: C
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14.00-17.00 (ChSTU / ЧДТУ, building / корпус 1, Noosphere / Ноосфера)

Link to the online broadcast / Посилання на онлайн трансляцію: https://teams.microsoft.com/meet/379428411152345?p=e5gN7IbhgWK9luKIhp	
14.00-14.15	Davydov A., Revina T. TIME-SERIES FORECASTING OF EXCHANGE-TRADED FUND LIQUIDITY
14.15-14.30	Prokopenko T., Polishchuk O., Prokopenko V., Pidkuiko O. METHOD OF PRE-PROCESSING OF MULTIMODAL BIOMETRIC DATA BASED ON FUZZY LOGIC
14.30-14.45	Hanzha Yu., Rastsvietaiev V., Shypunov S., Yavorska V. HIGH-SPEED VIDEO ANALYSIS OF ROCK CUTTING AND DRILLING PROCESSES
14.45-15.00	Utkina T., Fedorov E., Leshchenko M., Sipko O., Palamarchuk D. ADAPTIVE METAHEURISTIC METHODS BASED ON THERMAL ENERGY FOR INTELLIGENT SYSTEMS IN INDUSTRY AND BUILDING ENERGY OPTIMIZATION
15.00-15.15	Fedorov E., Leshchenko M., Babenko V., Myroniuk T., Moath Talat Salah. NEURAL NETWORK METHODS FOR DATA APPROXIMATION AND ENCODING
15.15-15.30	Sinkovskiy A., Tryus Yu., Shulakov V. ESTIMATING ENTERPRISE BANKRUPTCY RISK LEVEL WITH A NEURO-FUZZY TRANSFORMER ARCHITECTURE
15.30-15.45	Bilous V., Bodnenko D., Horbatovskiy D., Osadchyi V., Osadcha M. MODELING MEDIEVAL FIGHTS USING ARTIFICIAL INTELLIGENCE ALGORITHMS

	<i>Discussion of reports / Обговорення доповідей</i> <i>Organizing committee information / Інформація оргкомітету</i>
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D. Information and communication and cloud technologies / Інформаційно-комунікаційні та хмарні технології	
E. Information security / Безпека інформаційних технологій	
Wednesday 06/24/2026 Section meeting 1: D, E	Середа 24.06.2026 Секційне засідання 1: D, E

14.00-17.00 (ChSTU / ЧДТУ, building / корпус 1, 505)

Link to the online broadcast / Посилання на онлайн трансляцію: https://teams.microsoft.com/meet/374240380834587?p=0Hi44MblpdIs9s0zcc	
14.00-14.15	Poberezhna Z., Nabok I., Kniaziev A. STRATEGIC PRINCIPLES OF ENSURING ENTERPRISE INFORMATION SECURITY AGAINST HYBRID THREATS
14.15-14.30	Lanskykh Ye., Lanskykh O., Naumov O. MODEL OF ADAPTIVE MANAGEMENT OF ROBUSTNESS AND IMPERCEPTIBILITY PARAMETERS OF DIGITAL WATERMARKS BASED ON FUZZY INFERENCE
14.30-14.45	Saiko R., Bielov S., Zaliskyi M. DISTRIBUTED INTRUSION DETECTION SYSTEM FOR IOT NETWORK
14.45-15.00	Darnapuk Y., Khudolii Y. A FEDERATED ZERO-TRUST MODEL FOR ARDUINO UNO Q EDGE TELEMETRY IN MULTI-CLOUD IOT ENVIRONMENTS
15.00-15.15	Palahin V., Ivchenko O., Palahina O., Zorin O. STEALTH MAC-FLOODING DETECTION IN VLAN TRAFFIC USING ML METHODS
15.15-15.30	Krainyk Y.M., Dotsenko D.V. DEVELOPMENT AND EVALUATION OF COMBINED METHOD OF INTERMEDIATE FRAMES COMPRESSION IN THE WEB-APPLICATION AND EDGE PLATFORMS
15.30-15.45	Romanuke V.V. A LOGIT-AND-GAME-THEORETIC TIMING FRAMEWORK FOR FRAUD DETECTION IN FINANCIAL INFORMATION SYSTEMS
15.45-16.00	
16.00-16.15	
16.15-16.30	
16.30-16.45	
16.45-17.00	<i>Discussion of reports / Обговорення доповідей</i> <i>Organizing committee information / Інформація оргкомітету</i>

Thursday 06/25/2026
Section meeting 2: D, E

Четвер 25.06.2026
Секційне засідання 2: D, E

10.00-13.00 (ChSTU / ЧДТУ, building / корпус 1, 505)

Link to the online broadcast / Посилання на онлайн трансляцію:

<https://teams.microsoft.com/meet/33599980622760?p=nCle6gx1oygrn3ONND>

10.00-10.15	Vorobkalo T., Ivchenko O., Havrysh O., Vorobkalo O. SYSTEMATIC AND ETHICAL SECURITY ANALYSIS OF IOT DEVICES ON THE EXAMPLE OF HIKVISION DVR
10.15-10.30	Holovnia O., Falkovskyi I. COMPARATIVE ANALYSIS OF NETWORK TIME SYNCHRONIZATION EFFICIENCY IN A HYBRID MULTI-PLATFORM VIRTUALIZED ENVIRONMENT
10.30-10.45	Božo Soldo, Berkunskyi O., Knyrik N., Berkunskyi Ye. BULK ASSIGNMENT VULNERABILITY IN SPRING BOOT-BASED REST API: ANALYSIS OF PROTECTION MECHANISMS AND METHODS
10.45-11.00	Palahin V., Zrazhevskyi O., Palahina O. PROACTIVE RANSOMWARE DETECTION METHOD BASED ON ADAPTIVE DECOY STRUCTURES AND KERNEL-MODE FILE OPERATION FILTERING
11.00-11.15	Bondarenko O., Borysenko I. LEAKAGE-CONTROLLED IDS-BASED RISK PRIORITIZATION FOR IOT DEVICES
11.15-11.30	Rozlomii I., Naumenko S. COMPACT 5-BIT S-BOX CONSTRUCTION WITH CHAOTIC PROPERTIES FOR IOT DEVICES
11.30-11.45	
11.45-12.00	
12.00-12.15	
12.15-12.30	
12.30-12.45	
12.45-13.00	

Discussion of reports / Обговорення доповідей

Organizing committee information / Інформація оргкомітету

Thursday 06/25/2026
Section meeting 3: D, E

Четвер 25.06.2026
Секційне засідання 3: D, E

14.00-17.00 (ChSTU / ЧДТУ, building / корпус 1, 505)

Link to the online broadcast / Посилання на онлайн трансляцію:

<https://teams.microsoft.com/meet/33599980622760?p=nCle6gx1oygrn3ONND>

14.00-14.15	Sagun A.V., Panasko O.M. SECURITY MECHANISMS OF SMART CONTRACTS AND DIGITAL SIGNATURES
14.15-14.30	Yevdokymov S. INFORMATION SECURITY ASSESSMENT OF RAILWAY INTERLOCKING SYSTEMS USING A DEDICATED CYBER-POLYGON
14.30-14.45	Havrylova A., Tkachov A., Svitlychnyi D. DEVELOPMENT OF A HYBRID MODEL FOR CLASSIFICATION OF CYBER THREATS TO CRITICAL INFRASTRUCTURE OBJECTS BASED ON ANOMALIES
14.45-15.00	
15.00-15.15	
15.15-15.30	
15.30-15.45	
15.45-16.00	
16.00-16.15	
16.15-16.30	
16.30-16.45	
16.45-17.00	<i>Discussion of reports / Обговорення доповідей</i> <i>Organizing committee information / Інформація оргкомітету</i>

**F. Information technologies for modeling complex processes and systems /
Інформаційні технології моделювання складних процесів і систем**

Wednesday 06/24/2026

Section meeting 1: F

Середа 24.06.2026

Секційне засідання 1: F

14.00-17.00 (ChSTU / ЧДТУ, building / корпус 1, 408)

Link to the online broadcast / Посилання на онлайн трансляцію:

<https://teams.microsoft.com/meet/371243497776178?p=KuTkY3A5CaVhj5EWgZ>

14.00-14.15	Bielinskyi A., Soloviev V., Matviychuk A., Solovieva V. MACHINE LEARNING FORECASTING OF S&P 500 DIRECTION USING ROUGHNESS AND HURST COMPLEXITY FEATURES
14.15-14.30	Shkarupylo V., Artemchuk V. MODEL-BASED MODIFICATION OF FORMAL-SPECIFICATION ATOMICITY FOR RESOURCE-AWARE MODEL CHECKING
14.30-14.45	Popereshnyak S. PROBABILISTIC METHODS FOR EARLY ANOMALY DETECTION IN IoT SYSTEMS USING SHORT BINARY SEQUENCES
14.45-15.00	Smoliar A., Miroshkina I., Gretskeyi D., Yurchenko S., Borkowski A. ALGORITHMIC SUPPORT AND A COMPUTER MODEL FOR THE ANALYSIS OF FLOOR SLABS WITH INITIAL CURVATURE BASED ON THE GENERALIZED METHOD OF FINITE INTEGRAL TRANSFORMS
15.00-15.15	Plakhotnyi O., Kaleinikov G., Yovchenko A, Kostian N. DEVELOPMENT OF AN INFORMATION AND ANALYTICAL PLATFORM FOR DATA COLLECTION AND PROCESSING IN BATTERY THERMAL MANAGEMENT SYSTEMS
15.15-15.30	Mysiura Yu., Yarmilko A. THE EDITOR FOR PREPARATION AND SUPPORT OF UNMANNED AUTONOMOUS MISSIONS
15.30-15.45	Yarmilko A., Marchenko S. CONCEPTUAL MODEL OF HYBRID CONTROL OF ROBOTIC SYSTEMS WITH DELEGATION OF AUTHORITY
15.45-16.00	Gizun A., Morhun A., Borysenko I. HYBRID MODELING OF MICROSERVICE ARCHITECTURES: A COMPARATIVE ANALYSIS OF ADL AND DSL
16.00-16.15	Mann R., Koreiba A., Zaiats O., Bedrii D., Semko I., Semko O. CONCEPTUAL MODEL OF SWARM PROJECT MANAGEMENT
16.15-16.30	Maiborodina N.V., Gerasymenko V.P., Meish Yu. APPLICATION OF INFORMATION TECHNOLOGIES FOR MODELING THE STRESS STATE OF MULTILAYER REINFORCED SHELLS
16.30-16.45	
16.45-17.00	<i>Discussion of reports / Обговорення доповідей Organizing committee information / Інформація оргкомітету</i>

Thursday 06/25/2026

Section meeting 2: F

Четвер 25.06.2026

Секційне засідання 2: F

10.00-13.00 (ChSTU / ЧДТУ, building / корпус 1, 408)

Link to the online broadcast / Посилання на онлайн трансляцію:

<https://teams.microsoft.com/meet/340916736071997?p=dLSEUN0D0UAzOyfapP>

09.00-09.15	
09.15-09.30	Konrad Krol, Broide Y., Tkachenko V., Pidhorny M. A MODEL FOR RECOGNITION AND ANALYSIS OF PHYSICAL EXERCISES BASED ON VIDEO IMAGES
09.30-09.45	Tkachenko O., Shevchenko A. A HYBRID MODEL FOR SIGNAL-BASED DEGRADATION ANALYSIS IN EDGE INTELLIGENCE SYSTEMS
09.45-10.00	Romanov S., Kupriyanov O., Dichev D., Deryabkina E. INDUCTION HEATING MODELING OF ROTOR WHEELS IN THE EMWORKS
10.00-10.15	Nadopta T.A., Mykhaylovska O.A., Seleznova A. V., Kuntsov O.Yu. AN INTEGRATED APPROACH TO FOOT SOLE DESIGN BASED ON DIGITAL DESIGN AND 3D PROTOTYPING
10.15-10.30	Vashchenko I., Khomenko V. APPLIED INFORMATION TECHNOLOGIES FOR INTEGRATED MODELING OF HEAVY OIL RECOVERY IN DEEP RESERVOIRS
10.30-10.45	Bronin S., Kravchenko O., Sipko O., Karapetyan A., Stepanov M. ADAPTIVE IOT-BASED DIGITAL TWIN FOR REAL-TIME CASUALTY MONITORING AND TRIAGE
10.45-11.00	Hudz S., Gasii G., Hasii O., Molchanov P. COMPUTATIONAL ANALYSIS OF SHEAR BUCKLING STRESS IN RECTANGULAR PLATES WITH ELASTICALLY SUPPORTED LONG EDGES
11.00-11.15	Liventsev S.P. ROBUST INFORMATION TECHNOLOGY FOR MODELING AND ADAPTIVE CONTROL OF UAV RADIO LINKS UNDER JAMMING CONDITIONS
11.15-11.30	Romanuke V.V. SMART GRID INTERACTION MODEL ON AXELROD ITERATED PRISONER'S DILEMMA TOURNAMENT FRAMEWORK FOR INERTIAL SELECTION OF SUSTAINABLY EFFICIENT STRATEGIES
11.30-11.45	Revina T., Tymoshchuk D., Duda D. ALGORITHM FOR DETERMINING THE SWITCHING AND LANDING TIME IN THE MOON SOFT LANDING PROBLEM
11.45-12.00	Sushchenko O., Yakubovskiy N. MATHEMATICAL MODELLING AND OPTIMAL SYNTHESIS OF ROBUST CONTROL SYSTEMS FOR MOVING OBJECTS
12.00-12.15	Vychuzhanin V., Vychuzhanin A., Rudnichenko N., Grishin S., Shibaeva N. ADAPTIVE ROBUST SHIP MOTION CONTROL SYSTEM'S SIMULATION MODEL CONCEPT
12.15-12.30	Doskochynskiy D., Ivaskiv R. USE OF INTER-NODE ASYMMETRY FOR VEHICLE FAULT LOCALIZATION IN EDGE COMPUTING ENVIRONMENTS
12.30-12.45	Nikulin S., Zabolotnyi O., Zabolotnyi V., Siroklyn V., Koshevoy N. DEDICATED SOFTWARE FOR MODELLING AND VISUALIZING THE FPV DRONE DYNAMICS USING MATLAB GUI AND A QUATERNION INTEGRATOR
12.45-13.00	

Discussion of reports / Обговорення доповідей

Organizing committee information / Інформація оргкомітету

Thursday 06/25/2026

Section meeting 3: F

Четвер 25.06.2026

Секційне засідання 3: F

14.00-17.00 (ChSTU / ЧДТУ, building / корпус 1, 408)

Link to the online broadcast / Посилання на онлайн трансляцію:

<https://teams.microsoft.com/meet/371243497776178?p=KuTkY3A5CaVhj5EWgZ>

14.00-14.15	Aartvork F., Trunova O., Bilous I. MODELING OF OPERATIONAL MONITORING AND WATER QUALITY FORECASTING SYSTEM BASED ON THE INTERNET OF THINGS FOR AFFECTED TERRITORIES
14.15-14.30	Honcharenko I., Chumachenko S., Yakovliev E., Sokolov Y. GIS-BASED ENVIRONMENTAL MONITORING FRAMEWORK FOR ACTIVE COMBAT ZONES USING INTEGRATED REMOTE SENSING AND EXPERT MODELING SYSTEMS
14.30-14.45	Palahin V.V., Zorin O.S. INFORMATION TECHNOLOGY FOR ADAPTIVE RZ-SIGNAL DISTINCTION IN NON-GAUSSIAN NOISE
14.45-15.00	Pantelieieva N., Laiske Y., Rashevskiy Y., Khutorna M., Goncharenko O., Stupka B. INTEGRATED EFFECTIVENESS ASSESSMENT MODEL FOR GUIDED AERIAL VEHICLES WITH MICRO TURBOJET ENGINES
15.00-15.15	Feoklistov D., Bohdan H. OPTIMIZATION OF TEMPERATURE TESTS OF MEMS SENSORS USING COMPUTER MODELING
15.15-15.30	Lobunko O., Legen L., Asieiev M., Lobunko D. INFORMATION TECHNOLOGIES IN RESEARCH OF FUNCTIONAL STABILITY OF HYBRID ENERGY SYSTEMS
15.30-15.45	Khomenko V., Ratov B., Papaika Yu., Volovyk V., Vashchenko I. MACHINE LEARNING-BASED PREDICTION AND CORRECTION OF DRILLING FLUID DENSITY MEASUREMENTS
15.45-16.00	Pidgornyi M.V., Smoliar R.A. SPATIALLY ORIENTED MODEL FOR HEAT DEMAND OPTIMIZATION AND CO ₂ EMISSION REDUCTION USING GIS
16.00-16.15	Zabolotnii S., Chepynoha A., Klopotovskyi P. COMPARATIVE EFFICIENCY ANALYSIS OF PMM3 ESTIMATORS FOR LINEAR REGRESSION WITH SYMMETRIC BIMODAL ERRORS
16.15-16.30	Shcherban A. HIERARCHICAL CORRELATION-CLUSTERING CONTROL FOR ADAPTIVE DRILLING PARAMETER OPTIMIZATION: AN AGENT-DECOMPOSITION FORMALIZATION
16.30-16.45	Kononykhin O. A SELECTION MODEL OF SENSOR NODES FOR INTELLIGENT PARKING SYSTEMS BASED ON FUZZY BWM AND FUZZY MARCOS
16.45-17.00	Ali Al-Ammouri, Dyachenko P.V. QUANTITATIVE ASSESSMENT OF THE EFFICIENCY OF AUTOMATIC REGULATION SYSTEMS USING INFORMATION TECHNOLOGIES
	<i>Discussion of reports / Обговорення доповідей</i> <i>Organizing committee information / Інформація оргкомітету</i>

G. Information technologies in management and economics / Інформаційні технології в управлінні та економіці

Wednesday 06/24/2026

Section meeting 1: G

Середа 24.06.2026

Секційне засідання 1: G

14.00-17.00 (ChSTU / ЧДТУ, building / корпус 1, 507)

Link to the online broadcast / Посилання на онлайн трансляцію:

<https://teams.microsoft.com/meet/374569645499704?p=h8mJ30nlmESZcWXJrP>

14.00-14.15	Bieliatynskiy A., Bakulich O., Samoilenko Y., Holodenko V., Peskovets Y. INTEGRATED RISK-RESILIENT ADAPTIVE MODEL FOR SUPPLY MANAGEMENT OF TRANSPORT AND ROAD COMPLEX ENTERPRISES BASED ON INTELLIGENT TECHNOLOGIES
14.15-14.30	Tarasenko L., Derun I. THE ROLE OF GENERATIVE AI IN BUSINESS PROCESS REENGINEERING: A LANDSCAPE OF CURRENT RESEARCH
14.30-14.45	Popov V.V. DECISION-MAKING MODELS IN A MULTI-PROJECT IT ENVIRONMENT UNDER BANI CONDITIONS
14.45-15.00	Ponomarenko I., Hulak D., Yakushev O., Pavlenko V., Ponomarenko D. MACHINE LEARNING ANALYSIS OF TIKTOK SOCIAL MEDIA MARKETING STRATEGIES: UKRAINIAN ELECTRONICS RETAILERS
15.00-15.15	Antonenko N., Hrinchenko H., Lysenko A., Kotelevets K. IMPROVING INFORMATION AND ANALYTICAL APPROACHES TO VIBRATION MONITORING FOR EFFECTIVE MANAGEMENT OF EQUIPMENT CONDITION
15.15-15.30	Mazur I., Alkema V., Zybareva O., Shepeliuk V. DIGITALIZATION OF INTERNAL AUDIT WITHIN THE ENTERPRISE MANAGEMENT SYSTEM
15.30-15.45	Kolisnichenko P., Kopytko M., Shevchenko N. INFORMATION TECHNOLOGIES IN THE OPERATIONS OF UKRAINIAN ENTERPRISES: CURRENT TRENDS AND DEVELOPMENT PROSPECTS
15.45-16.00	Smerichevskiy S., Poberezhna Z., Shtyk Y. FORMATION OF ENTERPRISE'S ECONOMIC SECURITY SYSTEM BASED ON INFORMATION TECHNOLOGIES
16.00-16.15	Sandeep Kumar Gupta, Donuru Threesha, Thavva Jyoshna, Saranya T.S, Iryna Mihus, Tamadipati Siddartha THE IMPACT OF AI IN CIRCULAR ECONOMY: A SYSTEMIC REVIEW OF HUMAN RESOURCE MANAGEMENT PRACTICES
16.15-16.30	Sandeep Kumar Gupta, Charvee Sanjana A., Navya Sree M.S., Saranya T.S., Iryna Mihus, K. Jayadurga Prasad. THE IMPACT OF AI ON CIRCULAR ECONOMY AND SUSTAINABILITY
16.30-16.45	Saranya T.S., Navisha Bajaj, Sambhav Kumar, Preetha D.V., Saheen Nasreen, Shashirekha P., Sandeep Kumar Gupta. A STUDY ON DREAM HACKING THROUGH THE USE OF ARTIFICIAL INTELLIGENCE AND ELECTROENCEPHALOGRAM

16.45-17.00	Chubuk L., Kharchenko T. DOMINANTS OF CONSUMER BEHAVIOR ON E-COMMERCE PLATFORMS IN THE CONDITIONS OF WAR IN UKRAINE
	<i>Discussion of reports / Обговорення доповідей</i> <i>Organizing committee information / Інформація оргкомітету</i>

Thursday 06/25/2026 Section meeting 2: G	Четвер 25.06.2026 Секційне засідання 2: G
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09.00-13.00 (ChSTU / ЧДТУ, building / корпус 1, 507)

Link to the online broadcast / Посилання на онлайн трансляцію: https://teams.microsoft.com/meet/37644213524310?p=BWiEdCPhR8Q6vLxdHR	
09.00-09.15	
09.15-09.30	Gorska M., Fedotova N., Kataiev D., Bugaichuk V. DIGITAL PROTOTYPE OF A CONFLICT MANAGEMENT SCENARIO BANK AS A PROJECT KNOWLEDGE BASE MODULE
09.30-09.45	Mandych O., Makohon V., Staverska T., Maliy O., Bershadska K. INFORMATION TECHNOLOGY OF ADAPTIVE BUDGETING UNDER LIQUIDITY RISK
09.45-10.00	Trunova O., Dorosh M., Trunov O., Voitsekhovska M., Haferkorn P. SOCIAL SYSTEMS PERSPECTIVE ON DECISION-MAKING FOR TRANSPORT ROUTE FORMATION BASED ON FUZZY LOGIC
10.00-10.15	Veres O., Ilichuk P., Kots O., Veres Yu. USING MACHINE LEARNING METHODS TO PREDICT THE CORPORATE DEBT SUSTAINABILITY
10.15-10.30	Bushuyev S., Timinskyi O., Liashenko D., Yurechko A. ANALYSIS OF RISKS AND FACTORS AFFECTING THE PERFORMANCE OF IT PLATFORM DEVELOPMENT PROJECTS
10.30-10.45	Zhurylo V., Bilovodska O., Bliumska-Danko K. CONSUMER BARRIERS TO THE USE OF ARTIFICIAL INTELLIGENCE TECHNOLOGIES IN THE PURCHASE DECISION-MAKING PROCESS
10.45-11.00	Denisova O. ORCHESTRATING DIGITAL INNOVATION: MULTI-LEVEL PATHWAYS, MECHANISMS, AND CONSTRAINTS
11.00-11.15	Vorobyov V., Nikolaienko A., Pylypenko A. COMPETENCY-AWARE TASK ASSIGNMENT IN SOFTWARE TEAMS: A MULTI-CRITERIA DECISION MODEL WITH JIRA INTEGRATION
11.15-11.30	Božo Soldo, Haidaienko O.V., Serik O.A., Morhulets O.B. MATHEMATICAL MODEL FOR THE QUANTIFICATION OF THE PHYSICAL SIZE OF IT PROJECTS IN BANKING INSTITUTIONS
11.30-11.45	Sryberko A. ALGORITHM FOR IDENTIFYING FUNCTIONAL TYPES OF UKRAINIAN TERRITORIES VIA POWER BI
11.45-12.00	Bieliatynskyi A., Tkachenko F., Danchenko O., Bakulich O. MATHEMATICAL MODEL FOR ASSESSING BUSINESS PROCESS RISKS IN ENGINEERING COMPANIES BASED ON FUZZY LOGIC THEORY
12.00-12.15	Tkachenko Y., Tryus Yu. CONCEPTUAL MODEL FOR IT-PROJECT SCOPE MANAGEMENT IN CONDITIONS OF REMOTE WORK IN SHARED INFORMATION ENVIRONMENT
12.15-12.30	Haidabrus B.V., Kravchuk I.V., Zaiats O.V., Borysov O.V. INFORMATION-ANALYTICAL MODEL FOR ASSESSING THE EFFECTIVENESS OF STAKEHOLDER MANAGEMENT IN TRANSPORT PROJECTS

12.30-12.45	Konrad K., Sevostianova A., Yushchenko Yu., Marshak O. INFORMATION TECHNOLOGIES OF PROJECT PORTFOLIO MANAGEMENT USING VOLATILITY AND TREND IN THE UPPER CONFIDENCE INTERVAL ALGORITHM
12.45-13.00	
<i>Discussion of reports / Обговорення доповідей</i> <i>Organizing committee information / Інформація оргкомітету</i>	

Thursday 06/25/2026 Section meeting 3: G	Четвер 25.06.2026 Секційне засідання 3: G
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14.00-17.15 (ChSTU / ЧДТУ, building / корпус 1, 507)

Link to the online broadcast / Посилання на онлайн трансляцію: https://teams.microsoft.com/meet/37644213524310?p=BWiEdCPhR8Q6vLxdHR	
14.00-14.15	Bakukha N., Khlevna Iu. HYBRID DSR-CRISP-GOV APPROACH TO MANAGING A RESEARCH PROJECT ON DEVELOPING A MULTI-CRITERIA ASSESSMENT MODEL FOR PUBLIC PROCUREMENT PARTICIPANTS
14.15-14.30	Haidabrus B., Danchenko O., Skakun P., Kovalenko A., Kovalenko O. MODELS OF CLOUD INFORMATION TECHNOLOGY FOR KNOWLEDGE MANAGEMENT IN IT PROJECTS
14.30-14.45	Babenko K., Chernenko V., Kostenko O. INTEGRATION OF STOCHASTIC INVENTORY MANAGEMENT MODELS INTO CLOUD SPREADSHEETS
14.45-15.00	Denchyk O., Oksamytna L., Torba T., Mysnyk B. CYCLIC CONFLICT MANAGEMENT MODEL IN IT-PROJECTS IN THE AGILE/DEVOPS ENVIRONMENT
15.00-15.15	Fataliyev T., Mehdiyev Sh. A SYSTEMS ANALYSIS OF TECHNOLOGICAL DEPENDENCE AND TECHNOLOGICAL SOVEREIGNTY IN THE OIL AND GAS SECTOR
15.15-15.30	Denchyk O., Meliksetov O., Haidaienko O., Bedrii D. INFORMATION TECHNOLOGY FOR THE INTEGRATED MANAGEMENT OF PROJECT AND OPERATIONAL RISKS IN RETAIL ORGANISATIONS
15.30-15.45	Romanuke V.V. A FRAMEWORK FOR MAXIMIZING EXPECTED PERFORMANCE OF CARRIERS BY ENDOGENOUS SMART-CONTRACT-BASED CONSTRUCTION OF THE COALITION CHARACTERISTIC FUNCTION AND THE META-COALITIONAL STABILITY
15.45-16.00	Maksymov A., Tryus Yu. INFORMATION TECHNOLOGY FOR MULTI-CRITERIA DECISION-MAKING IN COMPLEX CONDITIONS CONSIDERING INFORMATION ENVIRONMENT STATES
16.00-16.15	Plemennyk Y. FORECASTING REGIONAL NATURAL GAS CONSUMPTION VOLUMES USING TIME SERIES MODELS
16.15-16.30	Ruban S., Kurganov I., Tron V. IMPROVEMENT OF A COMPREHENSIVE MODEL OF IRON ORE PELLET PRICE FORMATION BASED ON A CRM SYSTEM AND MACHINE LEARNING METHODS

16.30-16.45	
16.45-17.00	
17.00-17.15	<i>Discussion of reports / Обговорення доповідей</i> <i>Organizing committee information / Інформація оргкомітету</i>

H. Information technologies in scientific research / Інформаційні технології в наукових дослідженнях

I. Information technologies in higher education / Інформаційні технології у вищій освіті

Wednesday 06/24/2026

Section meeting 1: H, I

Середа 24.06.2026

Секційне засідання 1: H, I

14.00-17.00 (ChSTU / ЧДТУ, building / корпус 1, 510)

Link to the online broadcast / Посилання на онлайн трансляцію:

<https://teams.microsoft.com/meet/344328344490823?p=s7eTscgUD3ui1GbPM8>

14.00-14.15	Antoniuk D., Vakaliuk T., Morozov A., Bolotina V. FROM UNIVERSITY TO FREELANCE: IDENTIFYING IT COMPETENCY GAPS FOR IMPROVING PROFESSIONAL TRAINING PROGRAMS
14.15-14.30	Petrenko L., Artiushyna M., Kulalaieva N., Trynus O., Marshytska V. USE OF DIGITAL RESOURCES AS A CONDITION FOR IMPROVING THE TEACHING OF PSYCHOLOGICAL AND PEDAGOGICAL DISCIPLINES IN HIGHER EDUCATION INSTITUTIONS
14.30-14.45	Palchevska O., Aleksandruk I., Luchyk A., Hubyh P. CORPUS AND CONTENT ANALYSIS OF SUGGESTION IN DIGITAL PROPAGANDA ON SOCIAL MEDIA
14.45-15.00	Karkhut V., Halytskyi O. ADAPTING THE TRAINING OF FUTURE SOFTWARE ENGINEERS TO THE CHALLENGES OF AI INTEGRATION INTO THE SOFTWARE DEVELOPMENT LIFE CYCLE
15.00-15.15	Frank Angelo Pacala. WHEN THINKING IS OUTSOURCED: AI DEPENDENCY IN HIGHER EDUCATION
15.15-15.30	Ilchenko I. STUDENTS' PERCEPTIONS OF GOOGLE SITES AS A SUPPLEMENTARY DIGITAL LEARNING TOOL UNDER CONDITIONS OF UNSTABLE POWER SUPPLY
15.30-15.45	Tuluchenko H., Pershyna Yu., Mezhuiev V. INTERACTIVE VISUALIZATION OF VECTOR CALCULUS: DEVELOPMENT OF A GAMIFIED EDUCATIONAL APPLICATION
15.45-16.00	Zashchepkina N., Petrov V., Hlabets S., Vinnichenko O., Tymchyk R. INFORMATION TECHNOLOGIES IMPLEMENTATION IN MEASUREMENTS AND SCIENTIFIC RESEARCH
16.00-16.15	Zlahodukh D., Zlahodukh K. THE USE OF CLOUD TECHNOLOGIES FOR DEVELOPING TECHNICAL SKILLS IN COMPUTER ELECTRONICS AND CYBER HYGIENE AMONG BACHELOR STUDENTS OF COMPUTER SCIENCE

16.15-16.30	Rudakova T. V., Shapovalov Ye. B., Shapovalov V. B., Zharinov S. S., Krasovskyi O. I. NOVEL FRAMEWORK FOR ACADEMIC EVENT MODULE DESIGN BASED ON EUROPEAN STANDARDS
16.30-16.45	Lutay L., Shapovalov Ye., Shapovalov V., Zharinov S. THE ASPECTS OF DEVELOPMENT MODERN CRIS SYSTEM FOR UKRAINE
16.45-17.00	<i>Discussion of reports / Обговорення доповідей</i> <i>Organizing committee information / Інформація оргкомітету</i>

Thursday 06/25/2026 Section meeting 2: H, I	Четвер 25.06.2026 Секційне засідання 2: H, I
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09.00-13.00 (ChSTU / ЧДТУ, building / корпус 1, 510)

Link to the online broadcast / Посилання на онлайн трансляцію: https://teams.microsoft.com/meet/351038829159893?p=RkAi2dhOlj9D3NhywJ
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09.00-09.15	
09.15-09.30	Romanyshyn V., Albota S., Shyika Yu., Dumyn A. AI-ENHANCED DIGITAL LEARNING FACILITIES FOR POSTGRADUATE CONFERENCE INTERPRETER TRAINING: A CASE STUDY OF LVIV POLYTECHNIC NATIONAL UNIVERSITY
09.30-09.45	Bazhmina E.A., Shyrokorad D.V., Zapolskykh S.P. GENERATIVE AI IN HIGHER EDUCATION: A TWO-TRACK HYBRID MODEL FOR SUSTAINING COGNITIVE ENGAGEMENT
09.45-10.00	Skorenky Yu., Kramar O. VR SPACE OF A PHYSICAL LABORATORY FOR DISTANCE LEARNING
10.00-10.15	Franchuk V., Yuriichuk A. CHALLENGES AND TECHNOLOGICAL SOLUTIONS FOR WEB ACCESSIBILITY OF DIGITAL EDUCATIONAL RESOURCES UNDER MARTIAL LAW
10.15-10.30	Shcherbakov S.S., Shyrokorad D.V. MODELING TRANSPARENT INTERACTION BETWEEN EDUCATION AND BUSINESS IN A DIGITAL ECONOMY BASED ON BLOCKCHAIN
10.30-10.45	Mund J.-P., Khrutba V., Rudenko S., Kovtun T., Yehorchenkova N., Nikitchenko Yu. DATA-DRIVEN DIAGNOSTICS OF COMMUNICATION GAPS IN INTERNATIONAL EDUCATIONAL CONSORTIA
10.45-11.00	Kobzar T.A., Kryachok T.V. ASSESSMENT OF STRESS RESISTANCE USING DIGITAL MEDICINE TOOLS
11.00-11.15	
11.15-11.30	
11.30-11.45	
11.45-12.00	
12.00-12.15	
12.15-12.30	
12.30-12.45	
12.45-13.00	

Discussion of reports / Обговорення доповідей
Organizing committee information / Інформація оргкомітету

Thursday 06/25/2026

Section meeting 3: H, I

Четвер 25.06.2026

Секційне засідання 3: H, I

14.00-17.00 (ChSTU / ЧДТУ, building / корпус 1, 510)

Link to the online broadcast / Посилання на онлайн трансляцію:

<https://teams.microsoft.com/meet/344328344490823?p=s7eTscgUD3ui1GbPM8>

14.00-14.15	Barannik E.A., Hrytsenko M.O. DEEP LEARNING-BASED RECONSTRUCTION OF STIFFNESS MAPS FROM RAY DEVIATIONS IN SHEAR WAVE ELASTOGRAPHY
14.15-14.30	Vietrov O., Trofymenko O., Trofymenko V., Hryhorov M. SOME METHODOLOGICAL FOUNDATIONS FOR DESIGNING BASIC TRAINING TASKS DURING THE EARLY STAGES OF STUDYING PROGRAMMING IN HIGHER EDUCATION
14.30-14.45	Osadcha K., Pavlenko V., Petrova K., Nesterenko A. INTELLIGENT EDUCATIONAL PROGRAM DESIGN BASED ON NLP LABOR MARKET ANALYSIS AND HUMAN-AI COLLABORATION ARCHITECTURE
14.45-15.00	Petroye O., Drach I. E-PORTAL “U-MARC4OS”: INTEGRATION OF DYNAMIC SELF-ASSESSMENT AND AI-ADAPTED MICRO-LEARNING FOR DEVELOPMENT OF RESEARCH COMPETENCES IN THE CONTEXT OF OPEN SCIENCE
15.00-15.15	Kovtoniuk M., Bak S., Soia O., Kosovets O. A SPIRAL MODEL FOR THE CONCEPTUAL GROUNDING OF SET MEASURE THROUGH DIGITAL TOOLS IN DEVELOPING UNDERGRADUATE AND GRADUATE MATHEMATICS STUDENTS’ PROFESSIONAL CULTURE
15.15-15.30	Neroda T., Ivaskiv R. TAXONOMIC ANALYSIS OF PROFESSIONAL COMPETENCIES ASSESSMENT IN DISTRIBUTED PROJECT MANAGEMENT ENVIRONMENTS
15.30-15.45	Kozolup Ye., Strutynska O. AI TOOLS FOR PHD RESEARCHERS
15.45-16.00	Hrechukha L., Pavlenko O., Leshchenko H., Sovetna A., Butko N. AI-DRIVEN ACADEMIC INNOVATION: OPPORTUNITIES, CHALLENGES, AND THE EDUCATIONAL IMPACT OF GOOGLE GEMS
16.00-16.15	Leshko R., Popovych A., Holskyi V., Stolyarchuk I. DESIGN AND DEVELOPMENT OF A HYBRID SCIENCE GATEWAY FOR INTEGRATING WEB FRAMEWORKS WITH PARALLEL COMPUTATIONAL CORES
16.15-16.30	Meish Yu., Leluykh Yu., Maiborodina N. NUMERICAL MODELING OF THE STRESS-STRAIN STATE OF A CONICAL PANEL WITH ELLIPTICAL CROSS-SECTION USING INFORMATION TECHNOLOGIES
16.30-16.45	Ganzheev D., Ivanchenko D., Kletska O., Shykalovskyi D., Falendish A. DIGITAL TOOLS IN PRACTICAL TRAINING OF TRANSPORT ENGINEERING STUDENTS: EXPERIENCE, OPPORTUNITIES AND AI RISKS
16.45-17.00	<i>Discussion of reports / Обговорення доповідей</i> <i>Organizing committee information / Інформація оргкомітету</i>

Final session of the conference

Thursday 06/25/2026
Plenary session

Заключне засідання конференції

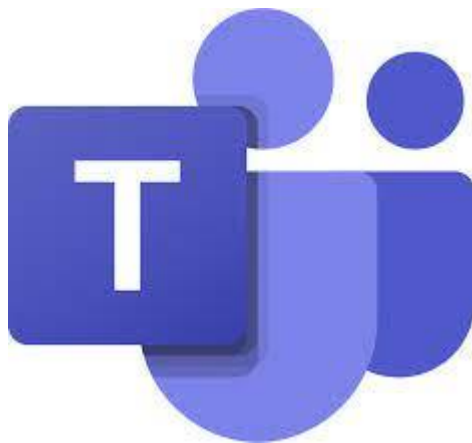
Середа 25.06.2026
Пленарне засідання

17.00-17.30 (ChSTU / ЧДТУ, building / корпус 1, Noosphere / Ноосфера)

Link to the online broadcast / Посилання на онлайн трансляцію:

<https://teams.microsoft.com/meet/379428411152345?p=e5gN7IbhgWK9luKIhp>

17.00-17.15	<i>Conference summary / Підведення підсумків конференції</i>
17.15-17.30	<i>Discussion of reports / Обговорення доповідей</i> <i>Organizing committee information / Інформація оргкомітету</i>



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